



Main

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|-----------------------------|--|
| Circuit breaker application | Distribution |
| Range of product | IC60 |
| Device short name | IC60N |
| Poles description | 2P |
| Number of protected poles | 2 |
| [In] rated current | 6 A |
| Network type | AC DC |
| Trip unit technology | Thermal-magnetic |
| Curve code | C |
| Utilisation category | Category A EN 60947-2 Category A IEC 60947-2 |
| Suitability for isolation | Yes EN 60898-1 Yes EN 60947-2 Yes IEC 60898-1 Yes IEC 60947-2 |

Complementary

| | |
|---------------------------------------|---|
| Network frequency | 50/60 Hz |
| [Ue] rated operational voltage | 100...130 V AC 50/60 Hz 12...60 V AC 50/60 Hz 220...240 V AC 50/60 Hz 380...415 V AC 50/60 Hz 400 V AC 50/60 Hz 440 V AC 50/60 Hz 12...144 V DC |
| Magnetic tripping limit | 8 x In +/- 20 % |
| Breaking capacity | 10 kA Icu EN 60947-2 380...415 V AC 50/60 Hz 10 kA Icu IEC 60947-2 380...415 V AC 50/60 Hz 20 kA Icu EN 60947-2 220...240 V AC 50/60 Hz 20 kA Icu IEC 60947-2 220...240 V AC 50/60 Hz 36 kA Icu EN 60947-2 100...130 V AC 50/60 Hz 36 kA Icu EN 60947-2 12...60 V AC 50/60 Hz 36 kA Icu IEC 60947-2 100...130 V AC 50/60 Hz 36 kA Icu IEC 60947-2 12...60 V AC 50/60 Hz 6 kA Icu EN 60947-2 440 V AC 50/60 Hz 6 kA Icu IEC 60947-2 440 V AC 50/60 Hz 6000 A Icn EN 60898-1 400 V AC 50/60 Hz 6000 A Icn IEC 60898-1 400 V AC 50/60 Hz 6 kA Icu EN 60947-2 12...144 V DC 6 kA Icu IEC 60947-2 12...144 V DC |
| [Ics] rated service breaking capacity | 27 kA 75 % EN 60947-2 12...60 V AC 50/60 Hz 27 kA 75 % IEC 60947-2 12...60 V AC 50/60 Hz 6 kA 100 % EN 60947-2 12...144 V DC 6 kA 100 % IEC 60947-2 12...144 V DC 27 kA 75 % EN 60947-2 100...130 V AC 50/60 Hz 15 kA 75 % EN 60947-2 220...240 V AC 50/60 Hz 7.5 kA 75 % EN 60947-2 380...415 V AC 50/60 Hz 4.5 kA 75 % EN 60947-2 440 V AC 50/60 Hz 27 kA 75 % IEC 60947-2 100...130 V AC 50/60 Hz 15 kA 75 % IEC 60947-2 220...240 V AC 50/60 Hz 7.5 kA 75 % IEC 60947-2 380...415 V AC 50/60 Hz 4.5 kA 75 % IEC 60947-2 440 V AC 50/60 Hz |
| Limitation class | 3 EN 60898-1 3 IEC 60898-1 |
| [Ui] rated insulation voltage | 500 V AC 50/60 Hz EN 60947-2 500 V AC 50/60 Hz IEC 60947-2 |

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| [Uimp] rated impulse withstand voltage | 6 kV EN 60947-2 6 kV IEC 60947-2 |
| Contact position indicator | Yes |
| Control type | Toggle |
| Local signalling | Trip indicator |
| Mounting mode | Removable comb busbar installed |
| Mounting support | DIN rail |
| 9 mm pitches | 4 |
| Width | 36 mm |
| Colour | White |
| Connections - terminals | Tunnel terminal with flap top or bottom 1...25 mm ² solid 1 Tunnel terminal with flap top or bottom 0.5...16 mm ² flexible with cable end 1 Tunnel terminal with flap top or bottom 0.5...16 mm ² flexible without cable end 1 Tunnel terminal with flap top or bottom 1.5 mm ² flexible without cable end 1...5 Tunnel terminal with flap top or bottom 1.5 mm ² solid 1...5 Tunnel terminal with flap top or bottom 2.5 mm ² flexible without cable end 1...3 Tunnel terminal with flap top or bottom 2.5 mm ² solid 1...3 |
| Wire stripping length | 14 mm top or bottom |
| Tightening torque | 2 nm top or bottom |
| Earth-leakage protection | Separate block |

Environment

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|---------------------------------------|--|
| Standards | EN 60898-1 EN 60947-2 IEC 60898-1 IEC 60947-2 |
| IP degree of protection | IP3 EN 60947-2 IP3 IEC 60947-2 |
| Pollution degree | 3 EN 60947-2 3 IEC 60947-2 |
| Electrical shock protection class | Class II front face |
| Tropicalisation | 2 EN/IEC 60068-2-78 |
| Relative humidity | 95 % |
| Operating altitude | 0...2000 m |
| Ambient air temperature for operation | -35...70 °C |
| Ambient air temperature for storage | -40...85 °C |